



SUBSTITUTE ABSTRACT

An intracardiac stent for total cavopulmonary anastomosis has a large-diameter plastic-coated mesh conduit with circular-section lower portion and a progressively flattened upper portion of the same cross-sectional area as the lower portion. Both portions extend along a curved axis. The upper end is bifurcated into two smaller-diameter branches, one of which is also of circular section and extends in an arc along the axis. The other branch is flattened and extends obliquely to the side so as to give the stent the shape of a lopsided Y. In use the upper and lower portions are lodged in the heart with a lower end of the lower portion fitted to the lower vena cava and hepatic vena, the one branch tightly fitted to the left pulmonary artery and blocking the main pulmonary artery, and the other branch fitted to the base of the right pulmonary artery.